What is claimed is:

- 1. A speaker comprising:
- a pole piece having a pole engaged with a bobbin behind
 a diaphragm;
- a through hole passing through the pole in an axial direction thereof; and
- a thin film piezoelectric element provided over an external opening of the through hole such that the element detects vibrations of the diaphragm by a change in pressure within the through hole.
- 2. The speaker according to Claim 1, wherein the through hole has an external opening which widens with it goes outward.
- 3. The speaker according to Claim 1, wherein the thin film piezoelectric element has one or more holes passing therethrough.
- 4. The speaker according to Claim 1, wherein the thin film piezoelectric element constructed by two thin film piezoelectric elements whose direction representative of high sensitivity intersect each other.
- 5. The speaker according to Claim 1, wherein the thin film piezoelectric element is formed of polyvinylidene fluoride.